

Docket No.: SON-2230  
(80001-2230)



PATENT APPLICATION

B

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:

Yukio OKUDA

Confirmation No.: 2656

Application No.: 09/964,540 ✓

Art Unit: 2857

Filed: September 28, 2001

Examiner: Paul L. Kim

For: METHOD AND APPARATUS OF DETERMINING  
DEFECT-FREE SEMICONDUCTOR INTEGRATED  
CIRCUIT

**REQUEST FOR INITIALED FORM PTO-1449 FILED WITH AN  
INFORMATION DISCLOSURE STATEMENT ON APRIL 1, 2002**

**MAIL STOP ISSUE FEE**

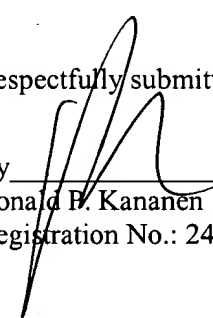
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

A Notice of Allowance was issued by the PTO on January 15, 2004 in connection with the above-identified application. Upon our final review of the file, it was noted that the initialed Form PTO/SB/08A accompanying the Information Disclosure Statement filed on April 1, 2002 has not been returned. Applicant respectfully requests an initialed copy of the PTO/SB/08A form be sent as soon as possible to evidence consideration of the references by the Examiner. For the convenience of the Examiner, a copy of the IDS as filed is enclosed.

Dated: February 13, 2004

Respectfully submitted,

By   
Ronald P. Kananen  
Registration No.: 24,104

**RADER, FISHMAN & GRAUER, PLLC**  
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Customer No. 23353

Serial No. 09/964,540 Filed: 09/28/01 Attorney: RPK/tme  
Applicant: OKUDA Docket No.: SDN-2230 Date Mailed: \_\_\_\_\_  
Title: METHOD AND APPARATUS ☒ Courier ☐ First Class Mail ☐ Express Mail No.

The following was/were received in the U.S. Patent & Trademark Office Mail Room on the date stamped hereon:

Filing Form for Application\*  
(in duplicate if charging deposit account).

\_\_\_\_ Originating in the U.S.  
\_\_\_\_ National Phase under Chapter I  
\_\_\_\_ National Phase under Chapter II

Filing Form for Application\*

(in duplicate if charging deposit account).

\_\_\_\_ Provisional Application under 37 CFR 1.53(c)  
\_\_\_\_ Regular Application under 37 CFR 1.53(b)  
\_\_\_\_ CPA Application under 37 CFR 1.53(d)  
\_\_\_\_ Continuation Application under 37 CFR 1.53(b)  
\_\_\_\_ Divisional Application under 37 CFR 1.53(b)  
\_\_\_\_ Cont. In Part Application under 37 CFR 1.53(b)

\_\_\_\_ Design  
\_\_\_\_ RCE  
\_\_\_\_ Other \_\_\_\_\_

\*Patent Application including:

\_\_\_\_ Pages Specification  
\_\_\_\_ Pages Claims (Claims 1 through \_\_\_\_\_)  
\_\_\_\_ Pages Abstract  
\_\_\_\_ Sheets of Drawings (Fig. 1 through \_\_\_\_\_)

Declaration/Power of Attorney (\_\_\_\_\_ pages)

Verified Stmt-Small Entity Status

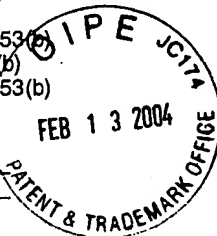
Executed Power of Attorney

\_\_\_\_ Priority Document(s) No. \_\_\_\_\_ & cover sheet  
\_\_\_\_ Assignment(s) & cover sheet

Request to Approve Drawing Change.  
with \_\_\_\_\_ Sheets of Red-Line Drawings

\_\_\_\_ Sheets Formal Drwgs w/Cover Sheet

Request for Refund



Request for Corrected Filing Receipt  
Completion of Filing Requirements  
Request for Certificate of Correction  
Request for Non-Publication  
Request for Notice of Filing Cont./Div.  
Request to Extend Patent Terms  
Transmittal for Amendment (Response)  
Petition for \_\_\_\_\_ Mo. Extension of Time  
(in duplicate if charging deposit account)  
Amendment (Response)  
Preliminary Amendment (Response)  
Response to Election Restriction Requirement  
Information Disclosure Statement, with  
Form(s) PTO-1449 (\_\_\_\_\_ sheets) and  
copies of references

\_\_\_\_ Affidavit or \_\_\_\_\_ Declaration under  
37 CFR \_\_\_\_\_ \$1.131 \_\_\_\_\_ \$1.132

Notice of Appeal

Petition \_\_\_\_\_

Status Inquiry

Issue Fee Transmittal

\_\_\_\_ Separate post card(s)

Deposit Account Charges

Other: \_\_\_\_\_

SON-2230



PATENT APPLICATION

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the Patent Application of )

Yukio OKUDA )

Group Art No: 2858

Application No. 09/964,540 )

Examiner: Unknown

Filed: September 28, 2001 )

For: METHOD AND APPARATUS )  
OF DETERMINING DEFECT-FREE )  
SEMICONDUCTOR INTEGRATED )  
CIRCUIT )

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the information item(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each item(s) is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the item(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date or the date of filing a CPA, OR (b) before the mailing date of a first Office Action on the merits in the present application, or (c) accompanies a Request for Continued Examination. No certification or fee is required.
- ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).
- ☐ 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.
- ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a

counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).

☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).

☐ c. Please charge our Deposit Account No. 18-0013 the \$180.00 fee and charge any additional fee or credit any overpayment to Deposit Account No. 18-0013 as needed to ensure consideration of the disclosed information.

☐ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Applicant(s) hereby petition(s) that the Information Disclosure Statement be considered. Attached is our check in the amount of \$180.00 in payment of the petition fee under 37 CFR §1.17(i)(1). Please charge any fee deficiency or credit any overpayment to Deposit Account No. 01-2300 as needed to ensure consideration of the disclosed information.

☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).

☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).

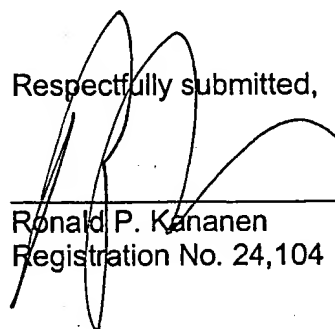
☒ 4. The reference(s) was/were discussed in the specification as filed.

☐ 5. In the event any fees are due with this paper, please charge our Deposit Account No. 18-0013.

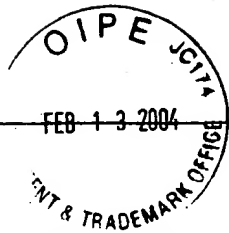
Date:

*Apr 10, 2002*

Respectfully submitted,

  
\_\_\_\_\_  
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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

SON-2230

09/964,540

APPLICANT

OKUDA

FILING DATE

09/28/01

GROUP

2858

## LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA	5,519,33	05/96	Righter			
	AB	5,889,408	03/99	Miller			
	AC	5,392,293	02/95	Hsue			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION		
							YES	NO	ABST.
	AD	2000-171529	06/00	JAPAN					X
	AE	8-271584	10/96	JAPAN					X
	AF	9-211088	08/97	JAPAN					X
	AG								

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AH	T.W. Williams, R.H. Dennard, R. Kapur, M.R. Mercer, W. Maly, "Iddq Test: Sensitivity Analysis of Scaling," Int. Test Conf., pp. 786-792, Oct. 1996.
	AI	A. Gattiker and W. Maly, "Toward Understanding: Iddq-Only Fails," Department of ECE, Carnegie Mellon University, Pittsburgh, PA.
	AJ	A. Keshavarzi, C. Hawkins, K. Roy, and V. De, "Effectiveness of Reverse Body Bias for Low Power CMOS Circuits," Microprocessor Research Labs, The University of New Mexico, and Purdue University, Intel Corporation, Hillsboro, OR 97124, USA
	AK	A. Keshavarzi, K. Roy, and C. Hawkin, "Intrinsic Leakage in Low Power Deep Submicron CMOS Ics".

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.